

**BORING LOG**PROJECT  
METCALF ENERGY CENTERJOB NO.  
24193-100SHEET NO.  
1 OF 2HOLE NO.  
B-106

SITE SWITCHYARD		COORDINATES N 1,905,358.34 E 6,198,629.53				ANGLE FROM HORIZ. 90°		BEARING	
BEGUN 4/24/1999	COMPLETED 4/25/1999	DRILLER TREATWELL & ROLLO (PITCHER DRILLING)		DRILL MAKE AND MODEL FAILING 1500	HOLE SIZE 4 3/4	OVERBURDEN 51.5	ROCK	TOTAL DEPTH 51.5	
CORE RECOVERY		CORE BOXES NONE		SAMPLES 15	EL. TOP OF CASING	GROUND EL. 249.99	DEPTH/EL. OF GWT		DEPTH/EL. TOP OF ROCK
SAMPLE HAMMER WEIGHT/FALL 140 # \ 30 INCHES				CASING LEFT IN HOLE: DIA./LENGTH NONE			LOGGED BY: KR BELL		

SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS "N"	PERCENT CORE RECOVERY	PENETRATION BLOWS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVEL WATER RETURN CHARACTER OF DRILLING
					1ST 6 INCHES	2ND 6 INCHES	3RD 6 INCHES						
SS	18"	4"		9	8	5	4				1	Dark brown, medium stiff, SILT	6" auger to 5.0'
SS	18"	10"		13	5	6	7		5		2	Dark brown, stiff, SILT	
SS	18"	14"		28	12	13	15	242.99			3	Dark brown, very stiff, SILT	Wash boring below 5'
SS	18"	18"		13	3	6	7		10		4	Brown and gray mottled, stiff, clayey SILT, trace fine gravel	
SS	18"	0"		7	3	3	4				5		No recovery drilled to 12.5'
ST	30"	30"							15		6	Brown and gray mottled, silty CLAY	140-160 psi push pressure
SS	18"	18"		8	2	3	5				7	Brown and gray mottled, medium stiff, silty CLAY	
ST	30"	28"							20		8	Brown and gray mottled, silty CLAY	180-240 psi push pressure
SS	18"	18"		16	4	6	10				9	Brown and gray mottled, soft, silty CLAY	
									25				
SS	18"	18"		5	2	2	3				11	Brown and gray mottled, soft, silty CLAY	W.O.H. for 3"
									30				
SS	18"	18"		8	3	3	5				11	Brown and gray mottled, soft, silty CLAY to clayey SILT	
									35				

SS = SPLIT SPOON; ST = SHELBY TUBE; MCS = MODIFIED CALF. SAMPLER  
D = DENNISON ; P = PITCHER; O = OTHERSITE  
SWITCHYARDHOLE NO.  
B-106

FIGURE 10G4-3

# BORING LOG

PROJECT  
METCALF ENERGY CENTER

JOB NO.  
24193-100

SHEET NO.  
2 OF 2

HOLE NO.	B-106
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SITE	COORDINATES
SWITCHYARD	N 1,905,358.34 E 6,198,629.53

ANGLE FROM HORIZ.  
90°

BEARING

BEGUN	COMPLETED
4/24/1999	4/25/1999

DRILLER  
TREATWELL & ROLLO (PITCHER DRILLING)

DRILL MAKE AND MODEL  
FAILING 1500

HOLE SIZE  
4 3/4

BURDEN  
51.

ROCK

51.5

CORE RECOVERY

CORE BOXES  
NONE

SAMPLES  
15

EL. TOP OF CASING

GROUND EL.  
249.99

DEPTH/EL. OF GWT

DEPTH/EL. TOP OF ROCK

SAMPLE HAMMER WEIGHT\FALL  
140 # \ 30 INCHES

CASING LEFT IN HOLE: DIA./LENGTH	NONE
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LOGGED BY:	
KR BELL	

[illegible]

SS = SPLIT SPOON; ST = SHELBY TUBE; MCS = MODIFIED CALF. SAMPLER  
D = DENNISON ; P = PITCHER; O = OTHER

SITE  
SWITCHYARD

HOLE NO.  
B-106

FIGURE 10G4-3